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AEC Tr 2673

Sci - Chemistry
Jan 57 CTS

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The Present Status of Metal Carbonyl Chemistry,
by W. Hieber, 39 pp.

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SLA Tr 2668

Sci - Chemistry
Oct 57

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SLA Tr 57-868

Sci - Chemistry
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Hieber, W.
THE PRESENT STATUS OF THE CHEMISTRY OF
THE METAL CARBONYLS. V. GENERAL QUES-
TIONS OF VALENCE AND STRUCTURE. VI. THE
METAL CARBONYLS IN THE PERIODIC SYSTEM.
[1963] 26p. 47 refs.

Order from SLA \$2.60

63-14000

Trans. of die Chemie (Germany) 1942, v. 55, no. 3/4,
p. 24-28.

DESCRIPTORS: *Complex compounds, *Metallic com-
pounds, *Carbonyl radicals, Chemistry, Valence,
Molecular structure, Theory, Chemical properties,
Periodic variations.

(See also 63-10984)

(Chemistry--Inorganic, TT, v. 10, no. 4)

63-14000

I. Hieber, W.
II. Title: General...
III. Title: Metal...

Office of Technical Services

Hieber, W. and Wiesboeck, R.
REACTIONS OF COBALT TETRACARBONYL WITH
VARIOUS BASES, V. [1961] 6p.
Order from ATS \$8.90 ATS-74N51G

Trans. of [Chemische] Ber[ichte] (West Germany) 1958,
v. 91, p. 1156-1161.

DESCRIPTORS: *Cobalt compounds, *Carbonyl radicals
Hydroxides, Chemical reactions

(Chemistry--Inorganic, TT, v. 6, no. 3)

61-22635

I. Hieber, W.
II. Wiesboeck, R.
III. ATS-74N51G
IV. Associated Technical
Services Inc., East
Orange, N. J.

Office of Technical Services

Hieber, W. and Wieshoeck, R.
REACTIONS OF COBALT TETRACARBONYL WITH
VARIOUS BASES, IV. [1961] 11p.
Order from ATS \$15.85

ATS-73NS1G

Trans. of [Chemische] Ber[ichte] (West Germany) 1958,
v. 91, p. 1146-1155.

DESCRIPTORS: *Cobalt compounds, *Carbonyl radicals,
Chemical reactions, Hydroxides.

(Chemistry--Inorganic, ET, v. 6, no. 3)

61-22636

I. Hieber, W.
II. Wieshoeck, R.
III. ATS-73NS1G
IV. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Metal Carbonyle. LII. Mechanism of the Carbon Monoxide Reaction of Nickel (II) and Cobalt (II) Salts in the Presence of Dithionite, by W. Hieber, E. O. Fischer, 25 pp.

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— TT-65-14500 Field 7B

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Order from SLN: \$1.10 as TT-65-14500

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1965.

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Reactions of Iron Pentacarbonyl with Various H- Bases.
II. Formation of Mainly Binuclear Carbonyl Ferrates, by
by Walter Hieber, Norbert Kahlgen,
Hieber^e

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2236. 1958

C.S.I.R.O.

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May 60

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Chemical Explosion Produced in the High
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NASA TT F-8155

Sci

7 Mar 62

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Dec 60

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INTRODUCTION OF BEST-TIME CATALOGUES, AND
FURTHER DEVELOPMENT OF BEST TIMES, BY
WILHELM HIECH, WOLFGANG NIMZ, 8 PP.

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NOV 1962, PP 479-483.

JPRS 17229

EEUR - GERMANY
ECON .
JAN 63

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34 pp. (ID 1297458) UNCLASSIFIED

GERMAN, pamphlet, Kampfgruppe gegen Unmenschlichkeit,
1953.

ACSI, H-1121

EEur - Germany

Pol

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Hiedemann, E. A. and Spence, R. D.
ON A UNIFIED THEORY OF RELAXATION
PHENOMENA. [1963] 18p. (figs. refs. omitted).
Order from SLA \$1.60 63-14649

Trans. of Zelt[schrift] f[ur] Physik (West Germany)
1952, v. 133, p. 109-[117].

DESCRIPTORS: Materials, *Elasticity, *Stresses,
Deformation, *Relaxation time, Theory, Linear
systems, Analog systems, Harmonic analysis,
*Statistical functions.

The concept of relaxation signifies in its present day
form a property of the response of linear systems. The
assumption of causal succession of events in which the
response must, as the effect, follow the cause, namely,
the excitation of the system---is sufficient for the
derivation of a unified theory of relaxation phenomena.
The derivation presented in this paper is based on func-
(Mechanics, TT, v. 10, no. 7) (over)

63-14649

I. Hiedemann, E. A.
H. Spence, R. D.

1247563

Office of Technical Services

V
Fresnel's Diffraction Phenomena With Waves at the
Water Surface and With Ultrasonic Waves, by E.
Grossman, E. Hiedemann, 9 pp.

GERMAN, Escuela Politecnica, Quito, Ecuador, and
Abteilung fur Electrolytforschung an der Universitat
Koln, May 1934.

34,416

S.L.A. No 201/1956

Scientific - Physics

HEISENBERG, P.

Stahl Und Eisen, vol. 56, 6 figures, 3300 words;
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Synchronic Waves.

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A 4109

Physical-Chemical Effects of Super-Sonic Waves,
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BLA 59-17669

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Vol 2, No 10

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UNKNOWN, World Power Conference. 5th Vienna, 1956,
Section G. Paper 25 01/4.

ASLIB-GB153

Sci

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W. C. Bus.

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HTC-69-16238-07A

P. Hiemstra

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Feb 70

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in Various Pressures of Carbon Dioxide, by
Masaki Tagawa, Fumihiko Sudo, 15 pp.

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No. 5, 1955, pp 946-948.

SLA 59-16513

Sci

Vol 59

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102, 712

(NY-4861)

An Important Step Forward in Our Industrial
Development, by Le Hiep, 8 pp.

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JPRS 5580

FE - Vietnam

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Galvanomagnetic Properties of InSb In Strong
Magnetic Fields, by H. Hieronymus, H. Weiss,
16 pp.

GERMAN, per, Solid State Electronics, Vol 5,
1962, pp 71-84. 9225395
ACSIL/64/325

Sci - Electronics
May 65

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Galvanomagnetic Properties of InSb in Strong
Magnetic Fields, by H. Hieronyus, H. Weiss,
16 pp.

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(NY-5545)

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Tractors, by K. Hieronimus, 5 pp.

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JPRS 7894

EEur - Germany

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The Measurement of Very Small Magnetic Fields
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H. Weiss. UNCL

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ACSIL 1024

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Apr 59

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The Optics and Structure of Cathode Sputtered
Layers with Special Reference to Reaction
with the Residual Gas, by L. Hiesinger,
H. Konig.

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NLL Ref: 5809.95 (TIL/T.5202)

L. HIESINGER

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Jan 69

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Optical and Structural Properties of Sputtered
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With the Residual Gas, by L. Hiesinger, H. Koenig,
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W. C. Heraeus, G. m. b. H. Frankfurt A. M. 1951,
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SLA 59-17805

Sci

Feb 60

Vol 2, No 9

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(NY-6400/8)

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Teachers' Working and Living Conditions,
by Nguyen, Hieu, 3 pp.

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JPRS 9843

FE - Vietnam
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Sep 61

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Asymptotic Relations Between Polarizations
in Crossed Reactions, by S. M. Pilen'kiy,
Nguyen Van Hieu, 5 pp.
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Soviet Phys - JETP
Vol XXX, No 3

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On a Recording Salinity Meter Using Silver-Silver
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NIL M 5146

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May 63

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JAPANESE, por, Toki Gosei Kagaku Kyokai
Shi, Vol XXVIII, no 3, 1963, pp 696-703.
NII 5828.4F (5907)

ci- Materials
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Separative Powers and Optimum Operating Parameters in
Gasous Diffusion Separating Apparatus, by K. Higashi,
C. Shibusawa, et al., 18 pp.
JAPANESE, par, Nippon Gasshokkyu Gakkaishi, Vol IV,
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Separate Forces and Operations Operating
in Chinese Mainland and Taiwan Area, as
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JAPANESE, per. Account of the Annual Report
of the Army of Japan, Vol IV, No. 2, 1941, pp 114-117.
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AEC-40-71-1004

Sci-Mat Sci
May 41

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Chromatographic Determination of Insuline Potency,
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7, Jul 1954, p 788.

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Y. HIGASHI

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Aug 67

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of the Parallel-T RC Network, by
M. Higashiguchi,
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Vol XL, 1957, pp 541-546.
NLL 5207 (1193)

M Higashiguchi

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Jul 67

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(DC-5249)

K The Soviet Union and the Chinese Communist
Army After Marshal Nedelin's Death, by Akira
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1960, pp 14-18.

JPRS 8156
COPYRIGHT

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FE - China
USSR
Mil
Jun 61

Higashimura, Toshinobu and Okamura, Seizo.
THE BEHAVIOR OF VINYL ACETATE AND ACRYLIC
ACID DERIVATIVES IN CATIONIC POLYMERIZATION.
[1961] 15p. 15 refs.
Order from SLA \$1.60

61-16518

Trans. of Kobunshi Kagaku (Japan) 1960, v. 17, no. 186,
p. 635-640.

DESCRIPTORS: *Polymerization, Copolymerization,
*Styrenes, Vinyl radicals *Acetates, Acrylic resins,
Chemical reactions, Carbon, Ions.

The cationic homopolymerization and copolymerization
of styrene and vinyl monomers which are less active
than styrene and have side chains stabilizing the carbon-
ium ions, i.e., vinyl acetate (VAc), methyl methacry-
late (MMA), and methyl acrylate (MA), were studied.
These monomers retarded the polymerization of styrene
extremely and it was presumed that not only transfer
and/or termination by these monomers but the reaction
(Chemistry--Organic, TT, v. 6, no. 6) (over)

61-16518

I. Higashimura, T.
II. Okamura, S.

Office of Technical Services

Study of 1,3,4-Thiadiazole Derivatives. III.
Synthesis of 2-Aminothiadiazole Derivatives,
by M. Ohta and T. Higashimura, 4 pp.

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No 3, 1952, pp 376, 377. CA 47, 3856a.

SEA/ATB-5574J

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Assoc Tech Serv
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Solubilities in the System Potassium Chloride - Glucose -
Water at 25°, by A. K. Zhdanov, K. G. Higai, 4 pp.

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Dec 57

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Studies on the Anodic Dissolution of Metals I- On the
Anodic Dissolution of Copper-silver Alloys in
Acid-Sulphate Solutions, by H. Ito, K. Higashi.

JAPANESE, per, Nippon Kinza Gakki-Si, 1951, pp
227-229.

INSDOC-T1726

Sci

Aug 59

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The Treatment of Mental disease
With Prolonged Sleep induced With
Sulfonal, by M. Higasi.

RUSSIAN, per Zhur Nevropatologii i
Psikhiatrii Imeni S. S. Korsakova,
Vol 57, 1957, pp 220-224.

RIn 11-67-64

(Loan)

M. Higasi

Sci-B[un]

Aug 65

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Physiological Studies on the Flower Formation
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CSIRO 5376

Sci - Biol
Aug 62

211, 177

Physiological Studies on Flower Formation in
Tobacco. Effect of Waterlogging on Growth
Reactions After Transplanting, by S. Higase.

JAPANESE, Proceedings ~~XX~~ of the Crop ~~x~~Science
Society, Vol XXVII, No 2, 1958, pp 299-301.

CSIRO 5375

Sci - Biol
Aug 62

211, 170

Higashi, Koshiro, and Tsukamoto.
SEPARATION DE LA PARTIE SOLIDE DES ACIDES
GRAS, DES GRAISSES OU DES CIRES (Separation of
Solids from Fatty Acids, Fats or Waxes). 5p. PX-632.
Order from OTS, ETC or CNRS \$0.80 62-26479

Trans. in French of [published] Japanese patent 2685-
1960 by Compagnie de Poissonneries de Tayo,
Chiyotaku, pub. 24 Mar 60.

DESCRIPTORS: *Fats, *Fatty acids, *Waxes, Solids,
Liquids, Detergents, Oil filters.

(Chemistry, TT, v. 10, no. 7)

62-26479

- I. Higashi
- II. Koshiro
- III. Tsukamoto
- IV. Patent (Japan) pub. 35-2685
- V. PX-632
- VI. Centre National de la
Recherche Scientifique
(France)

1247437

Office of Technical Services

The Molecular Structure of 2, 2'-Dihalodiphenyl
Ether, by K. Higashi, et al.

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Assoc Tech Serv JJ-1426
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Sci - Chem

Apr 59

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Analytical Separation of Insulin from Whale Pan-
creas with Partition Chromatography, by Y. Sasano,
K. Higashi, 5 pp.

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SLA 57-2304

Jul 58

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Determination of Microgram Quantities of Thorium (Continued), by M. Ishibashi, S. Higashi, 5 pp.

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Assoc Tech Ser 4889J

Jul 58

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Higashimura, T., Sunaga, Y., and Okamura, S.
LOW TEMPERATURE CATIONIC POLYMERIZATION
OF ALKYL VINYL ETHERS AND THE PROPERTIES
OF THE POLYMERS OBTAINED. [V] SOME LOWER
ALKYL VINYL ETHERS AND THE PROPERTIES OF
THE POLYMERS. [1961] 12p. 10 refs.
Order from RIS \$16.00 RIS rept. 61118

Trans. of [Kobunshi Kagaku] (Japan) 1960, v. 17,
no. 180, p. 257-262.

DESCRIPTORS: *Polymerization, Vinyl radicals,
*Ethers, *Polymers, Physical properties, Alkyl
radicals.

(Chemistry--Organic, TT. v. 6, no. 5)

61-22948

I. Higashimura, T.
II. Sunaga, Y.
III. Okamura, S.
IV. Title: Some...
V. RIS-61118
VI. Research Information
Service, New York

Office of Technical Services

Higashimura, T. Kodama, T., and Okamura, S.
LOW-TEMPERATURE CATIONIC POLYMERIZATION
OF ALKYL VINYL ETHERS AND THE PROPERTIES
OF THE POLYMERS OBTAINED. IV. INFLUENCE
OF THE POLYMERIZATION CONDITIONS ON THE
PROPERTIES OF THE POLYVINYL ISOBUTYL
ETHER. [1961] 13p. 11 refs.
Order from RIS \$15.00 RIS rept. 61119

Trans. from Kobunshi Kagaku (Japan) 1960, v. 17,
no. 179.

DESCRIPTORS: *Polymerization, Vinyl radicals,
*Ethers, *Polymers, Physical properties, Butyl radi-
cals, Alkyl radicals

(Chemistry--Organic, TT, v. 6, no. 5)

61-22969

I. Higashimura, T.
II. Kodama, T.
III. Okamura, S.
IV. Title: Influence...
V. RIS-61119
VI. Research Information
Service, New York

Office of Technical Services

Process for Manufacturing Crystalline
Polymer of Vinyl-Alkyl Ether, by Seiso
Okamura, Toshinobu Higashimura, 7 pp.
JAPANESE, patent, 1953/1963, 1961.
SA Code-F-381

Toshinobu Higashimura
338,770

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Reduction of Iron Ores by Nitrogen - Carbon
Monoxide - Hydrogen, by A. Isimitu,
A. Sigemi, T. Higasi.

JAPANESE, per, Tetsu To Hagane, Vol XLV,
No 9, 1959, pp 893-895.

HB 5285

Sci - Chem

Jan 62

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Electromagnetic Separation of Radioactive Isotopes, by
M. J. Rosenberger, 15 pp.
GERMAN, par. Atom Physikalischen, Vol XVI,
1948, pp 244-244.
ARC-11-1286

Sci-Stat Sci
Mar 64

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Low Frequency Magnetic Dynamic Mass
Spectrometer, by M. J. Higatsberger,
et al.

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Studien-Gesellschaft für Atomenergie
A-1, A-1, 10 pp.
A-1, A-1, 10, 1965

M. J. Higatsberger

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BCG Vaccination in Ecuador, by J. Perez, J. Higgins,
V. Castaneda, 12 pp.

SPANISH, per, Hoja Tisiologica, Vol X, No 2,
Jun 1950, pp 159-168.

SLA Tr 2585

Sci - Medicine
Jan 58

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Experimental and Clinical Verification of the
Possibility of Combined Vaccination Against
Variola and Tuberculosis, by J. A. Higgins,
V. Castaneda, 11 pp.

SPANISH, per, Revista Medica de Cordoba,
Vol XXXVII, Mar 1949, pp 110-119.

NIR Tr 4-39

Sci - Medicine
May 1957 CTS/dex

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A Case of Tay-Sachs Idiocy Complicated
by Internal Hydrocephalus, by H. Higier.
POLISH, per, Neurologia Polska, no 1,
1970, pp 93-94.
TIN 11-58-64

Sci-Eng
Jul 68

H. Higier
280,192

Hereditary Cerebellar Ataxia of Infancy and
The Tay-Sachs Disease, by H. Hager.

Polish, for, Medycyna, Czasop. Tyg. dla
Lecarzy Praktycznych, no 35, 1907,
p. 891-899.

Vol. 11-100-04

H. Hager

501-500

501 65

286, 190

I. The Tay-Sachs Disease (Paralytico-
Amaurotic Family Idiocy). by
H. Higier.
POLISH, per, Gazeta Lekarska, Vol XXII,
No 3, 1902, pp 54-62.
NIH 11-49-64

H - Higier

Sci-B&M
Jul 65

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Dielectric Properties of Substances in the Sorbed
State (Report No 2) Anomalous Dispersion in i-aryl
Alcohol Sorbed on Titanium Oxide Gel, by I.
Higuchi.

JAPANESE, per, Bulletin of the Institute for Physical
and Chemical Research, Vol XXI, No 11, 1947, pp 1135 -
1146. *CIA D 44031*

634092

AEC Tr 507

Scientific - Physics

Sci Info Ser - Canada

CIA No 634092

July 1951 CT8

A-4111

Higuchi, Izumi, Ushigi, Yataroo, and Suzuki, Reiko.
SORPTION AND DESORPTION EQUILIBRIUM OF
VAPORS ON POROUS VYCOR GLASS. [1963] [22p]
(foreign text included) 13refs
Order from SLA \$2.60

TT-63-20713

Trans. of Nihon Kagaku Zasshi (Japan) 1961, v. 82,
no. 12, p. 1620-1624. (Abstract available)

DESCRIPTORS: *Glass, Porosity, *Vapors, Sorption,
Silicon compounds, Dioxides, Structural properties,
Chemical equilibrium, Hysteresis.

Isothermal sorption and desorption curves were
measured (plotted) for benzene, methanol and water
at 0° C and for oxygen at -192° C on porous Vycor
glass. The theoretical isothermal curves for capillary
condensation on the sorbent, which is composed of
densely packed spheres of equal radius, were found to
(Materials--Ceramics, TT, v. 11, no. 4) (over)

TT-63-20713

1. Title: Vycor glass
2. Title: Desorption
- I. Higuchi, I.
- II. Ushigi, Y.
- III. Suzuki, R.

Office of Technical Services

Hirschberg, Rudolf.

ON A PROCESS FOR THE CONTINUOUS MANUFACTURE OF CHLORINE DIOXIDE FROM SODIUM CHLORATE AND SULFUR DIOXIDE (Über ein Verfahren zur kontinuierlichen Herstellung von Chlordioxyd aus Natriumchlorat und Schwefeldioxyd). [1963] [16p] (foreign text included) 25refs
Order from SLA \$1.60

TT-63-20576

Reprint trans. of das Papier (West Germany) 1962, v. 16, no. 9, p. 419-423. (Abstract available)

DESCRIPTORS: *Industrial production, *Chlorine compounds, Dioxides, Sodium compounds, Chlorates, Sulfur compounds, Chemical reactions, *Bleaching agents,

The paper describes the successful industrial production of chlorine dioxide in a 4 stage continuous process through the reaction of NaClO_3 , SO_2 and H_2SO_4 . The (Engineering--Chemical, TT, v. 11, no. 4) (over)

TT-63-20576

I. Hirschberg, R.

CONFIDENTIAL

Office of Technical Services

Dielectric Properties of Substances in the Sorbed State,
by Izumi Higuchi.

JAPANESE, Bulletin of the Institute for Physical and
Chemical Research, Vol XX, No 11, Tokyo, 1941, pp
489-513.

AEC Tr 373

(Dex-Scientific Information Service, Canada)

Scientific-Physics

DRS 100 J.
CIA 1000000

Japan

A-4110

March 1951 CTS

Investigation of the Calcium and Hydrogen System,
III. A Theoretical Consideration of the Mechanism
Involved in the Growth of Nuclei Consisting of
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